

FIG. 1

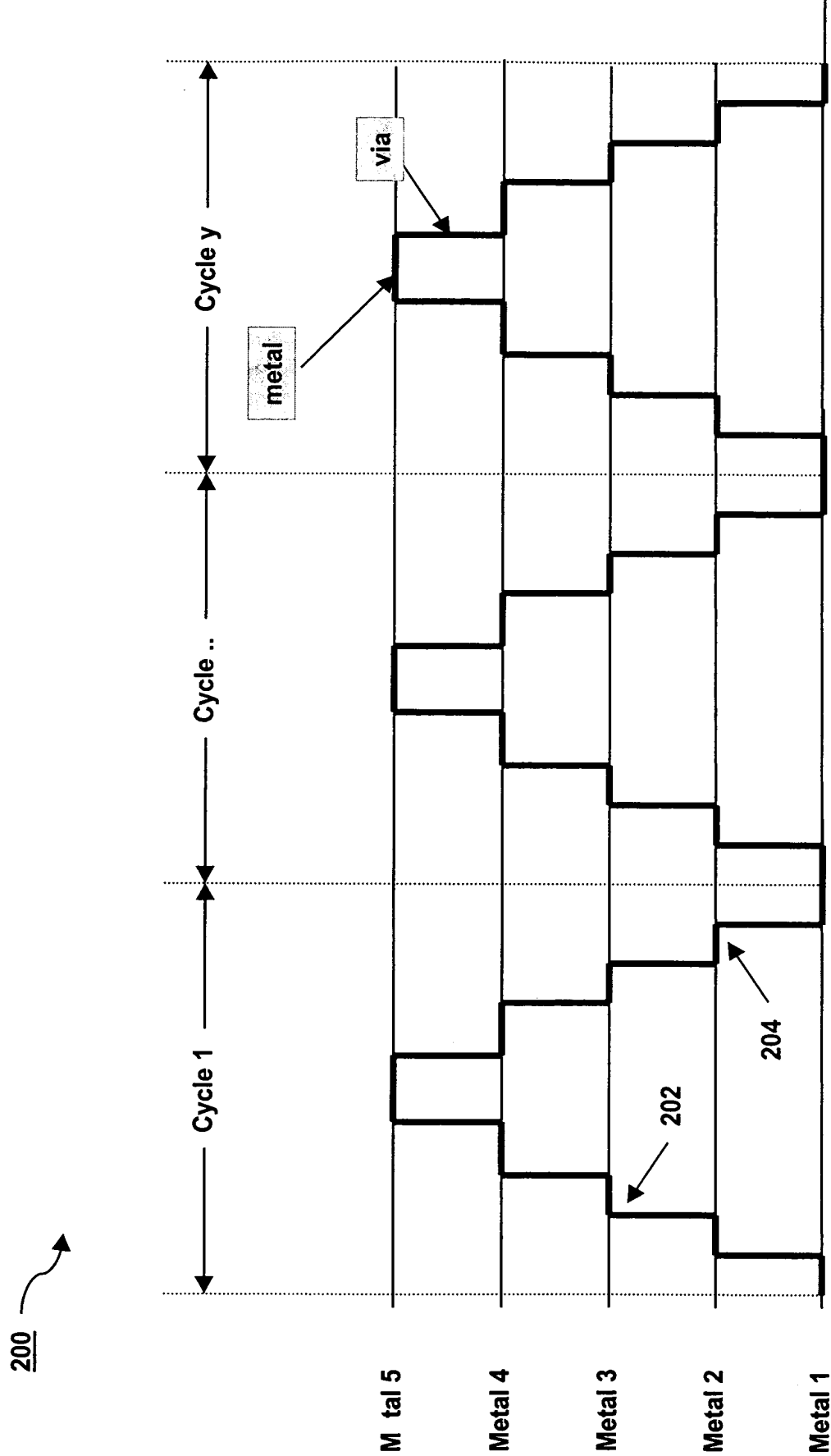


FIG. 2

300

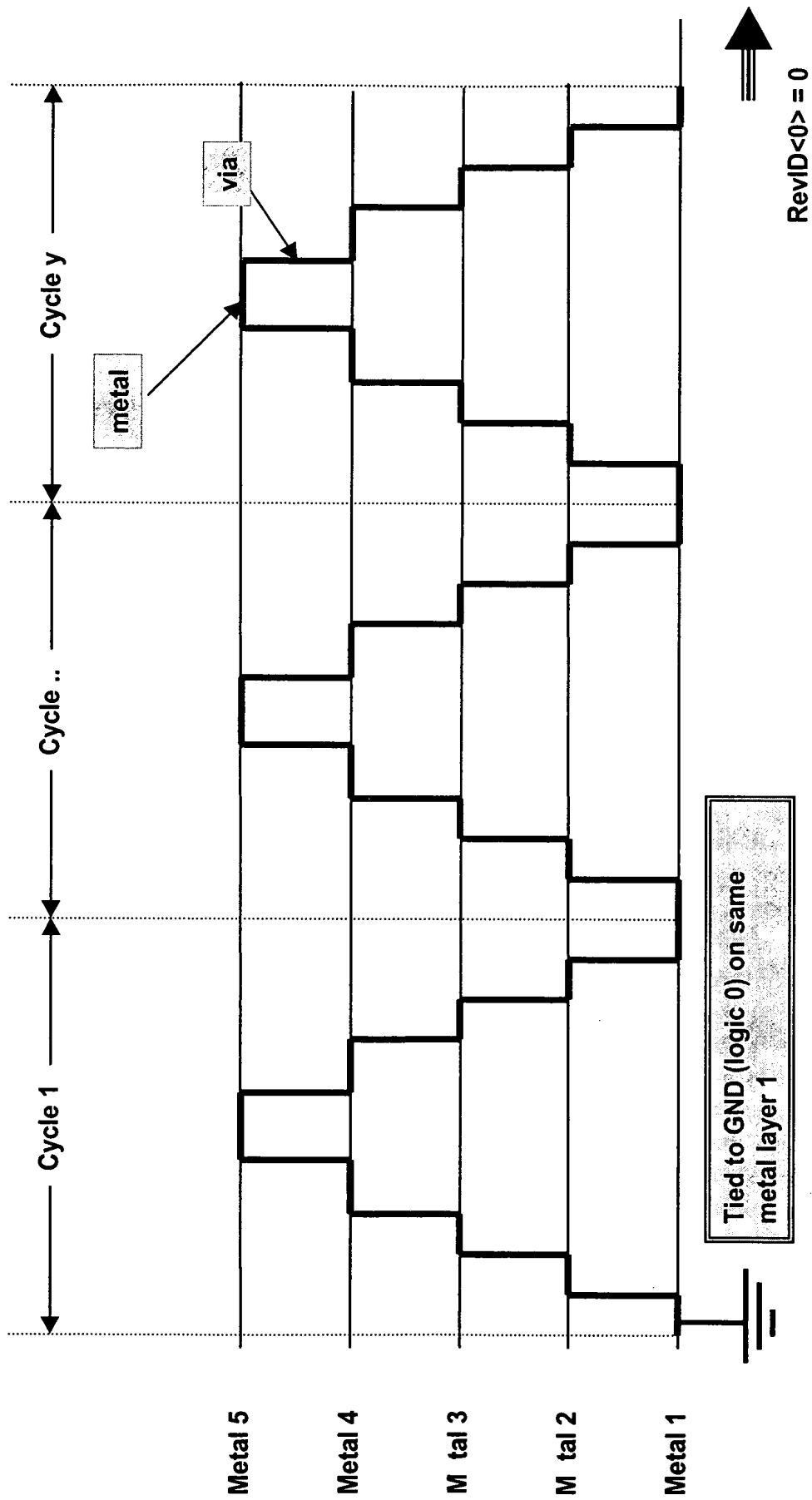
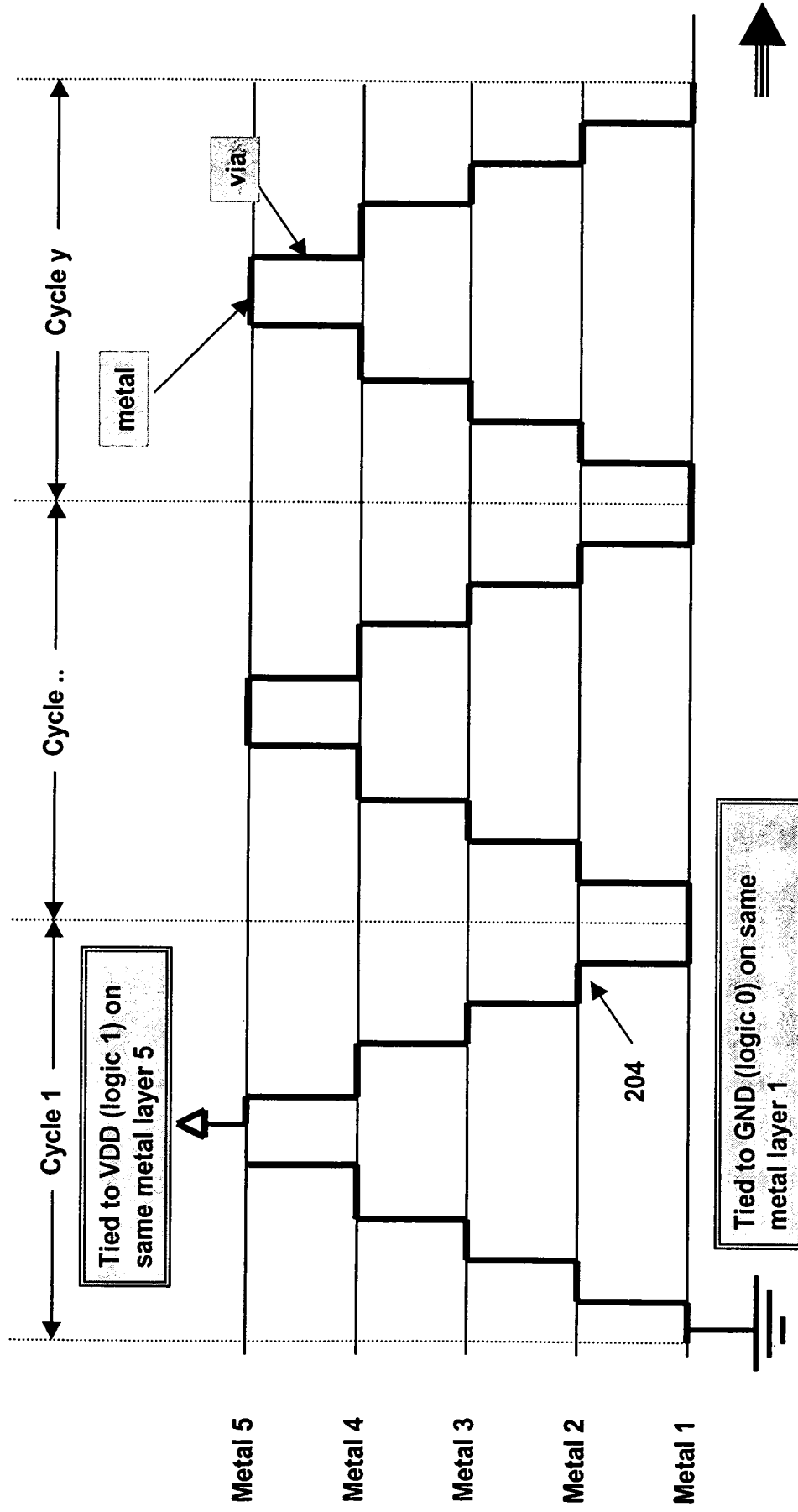


FIG. 3A

300



RevID<0> = 1

FIG. 3B

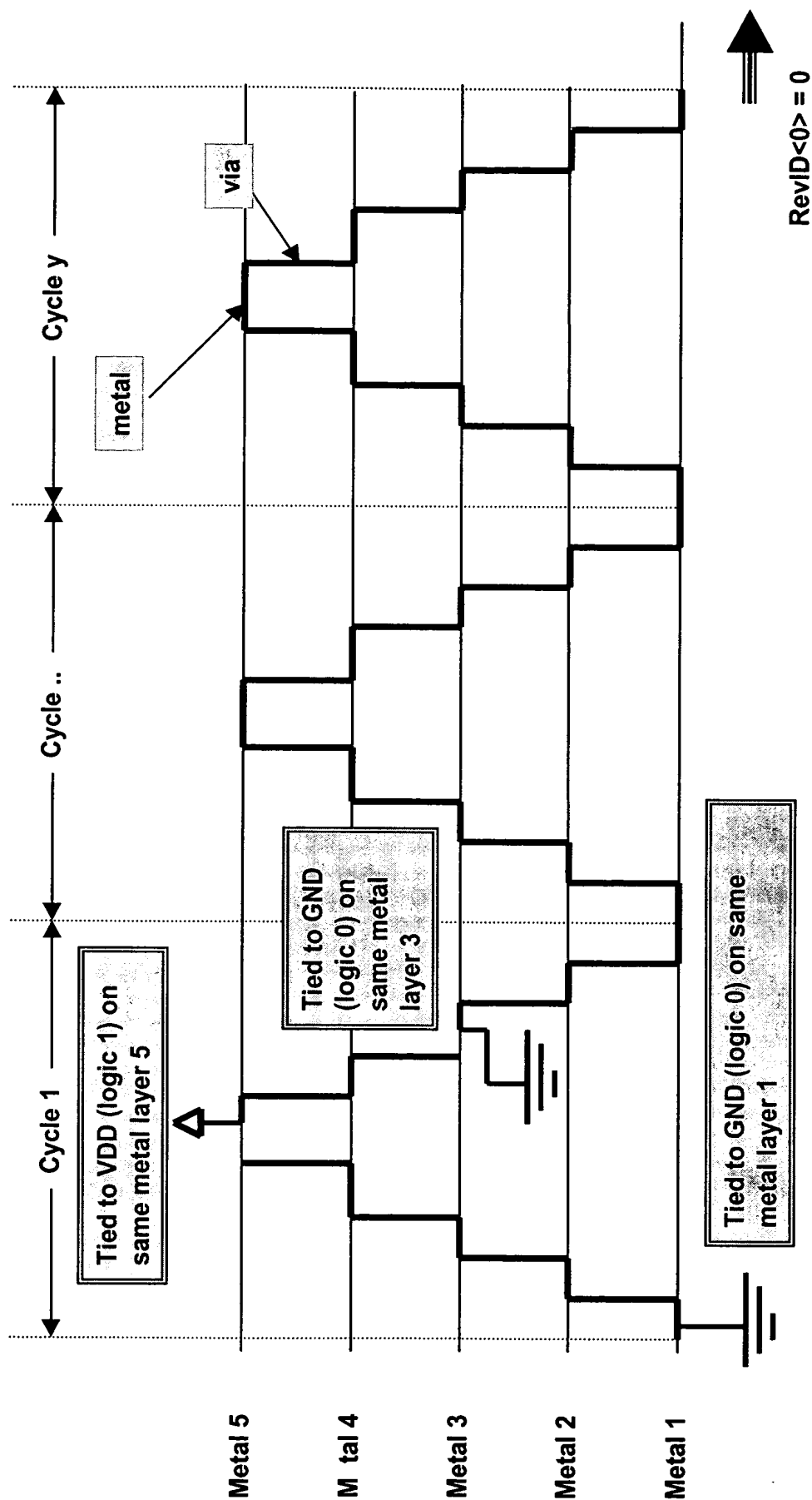


FIG. 3C

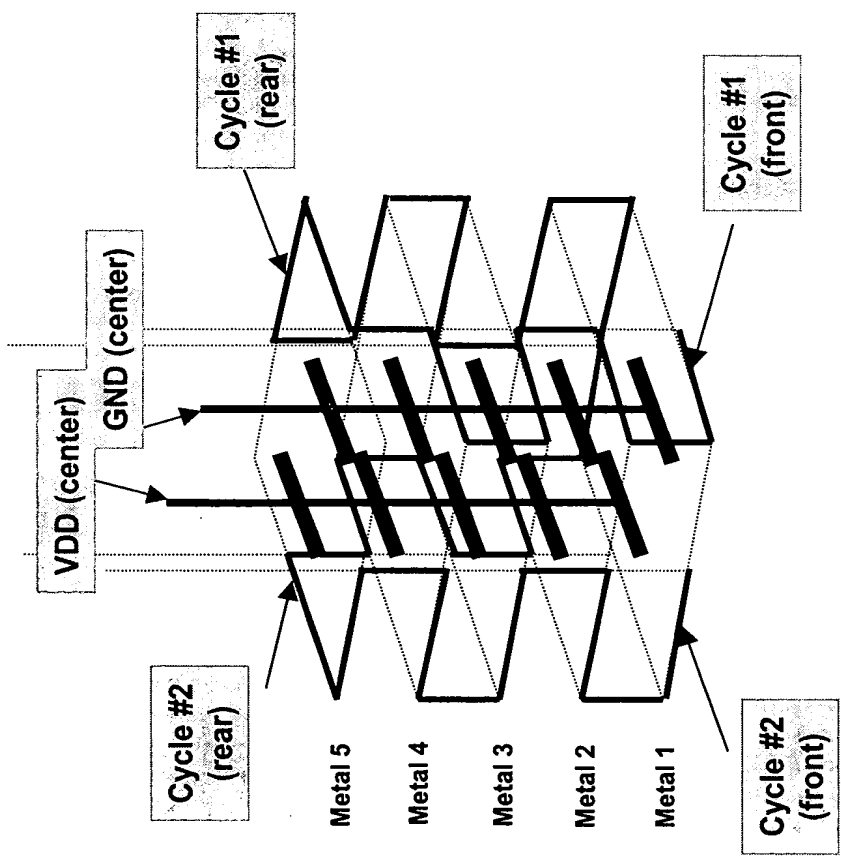


FIG. 4

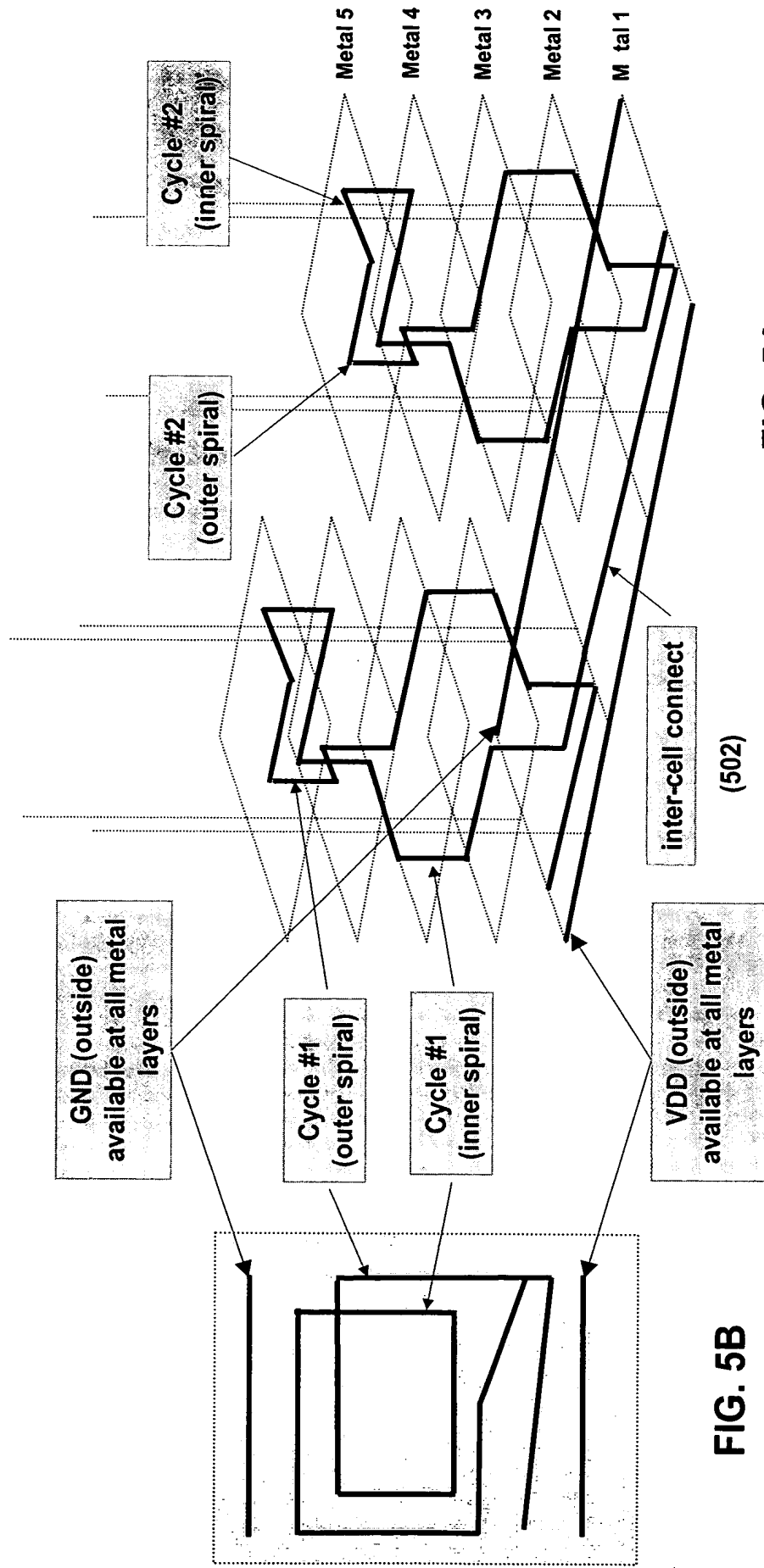


FIG. 5B

FIG. 5A

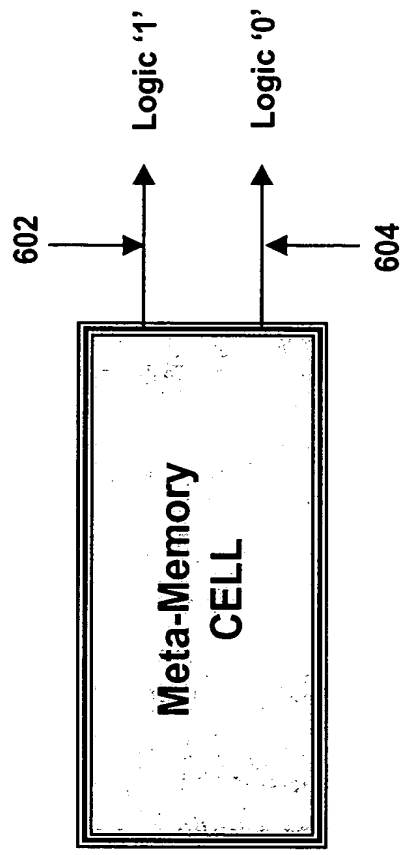


FIG. 6

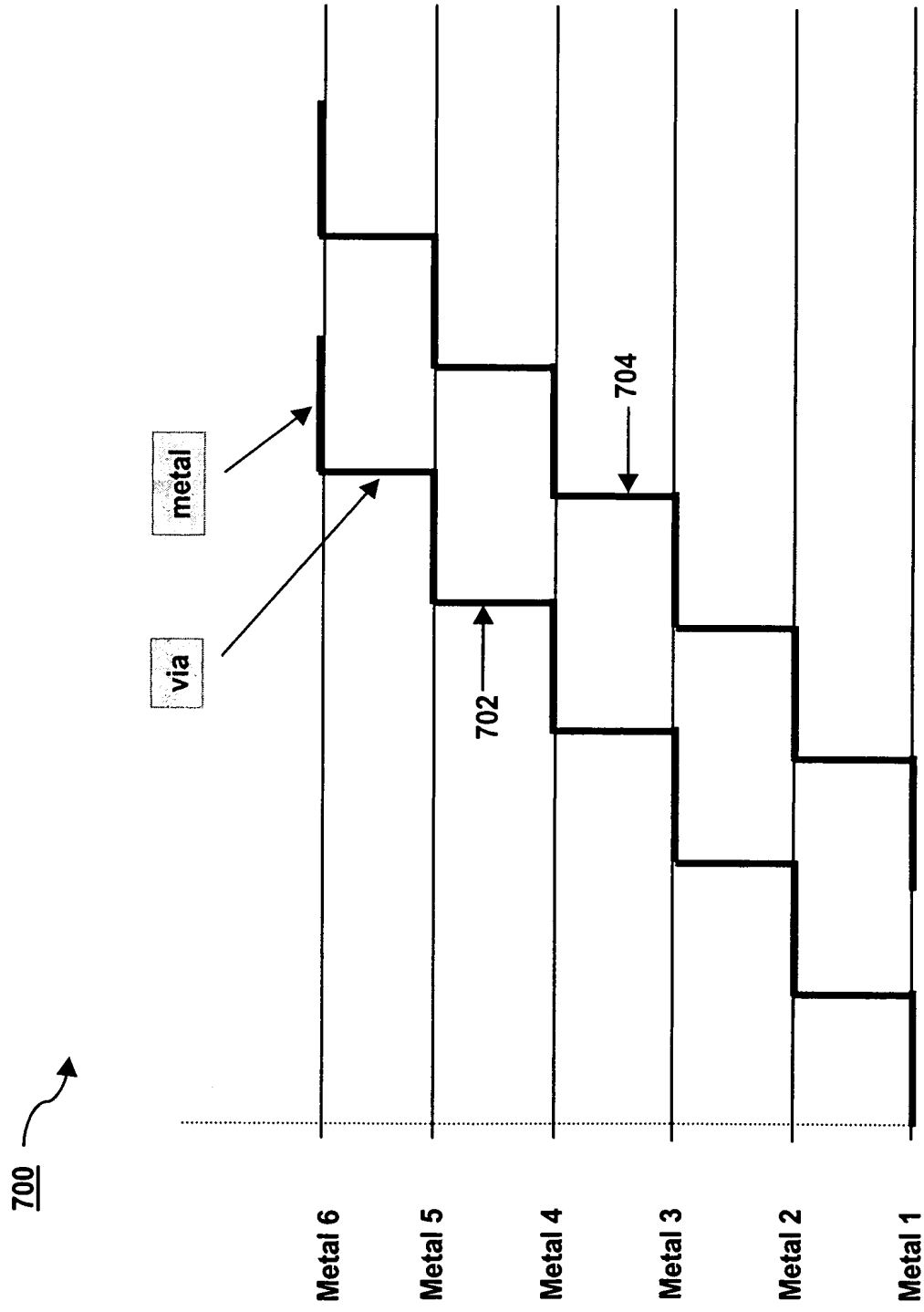


FIG. 7A

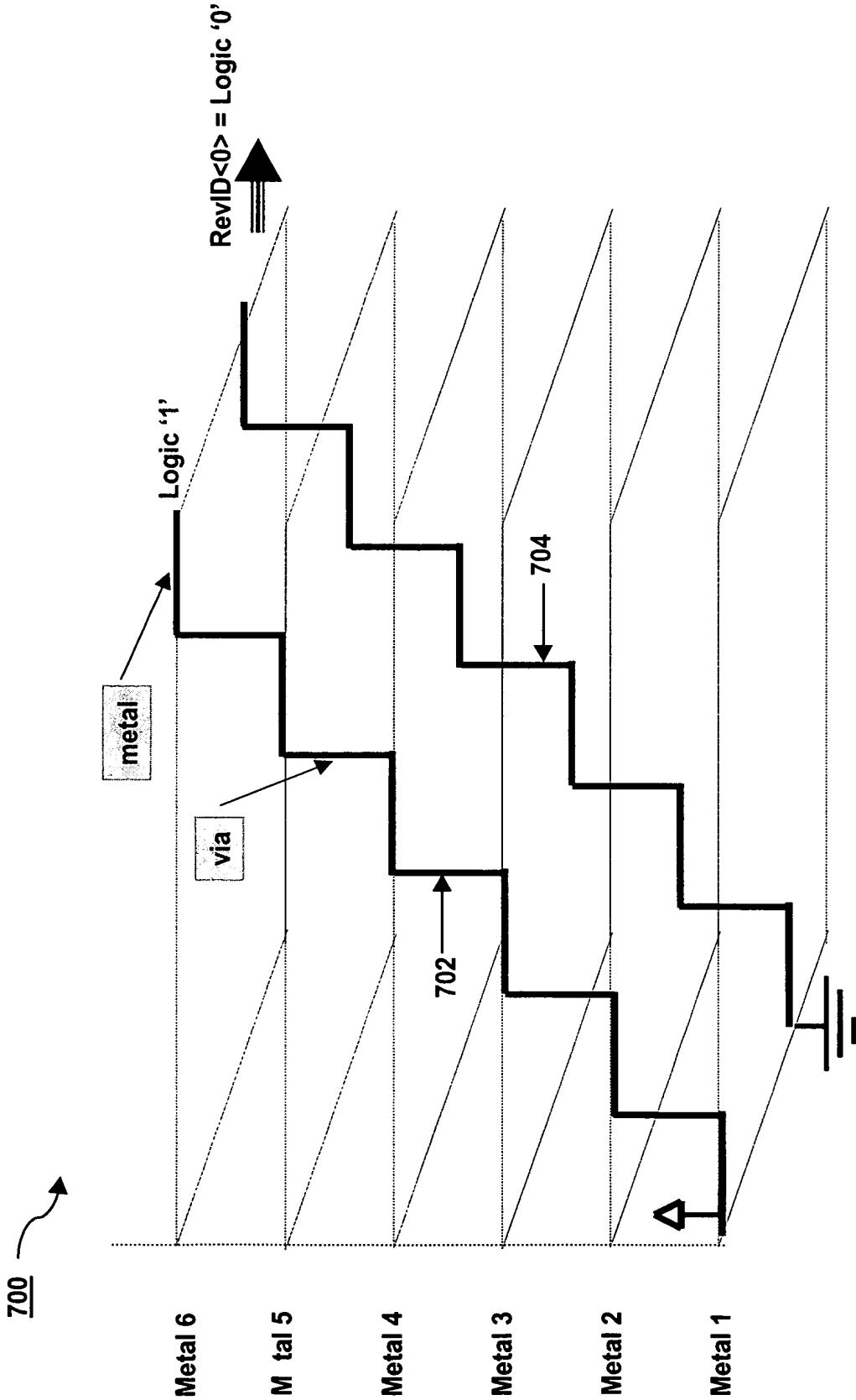


FIG. 7B

700

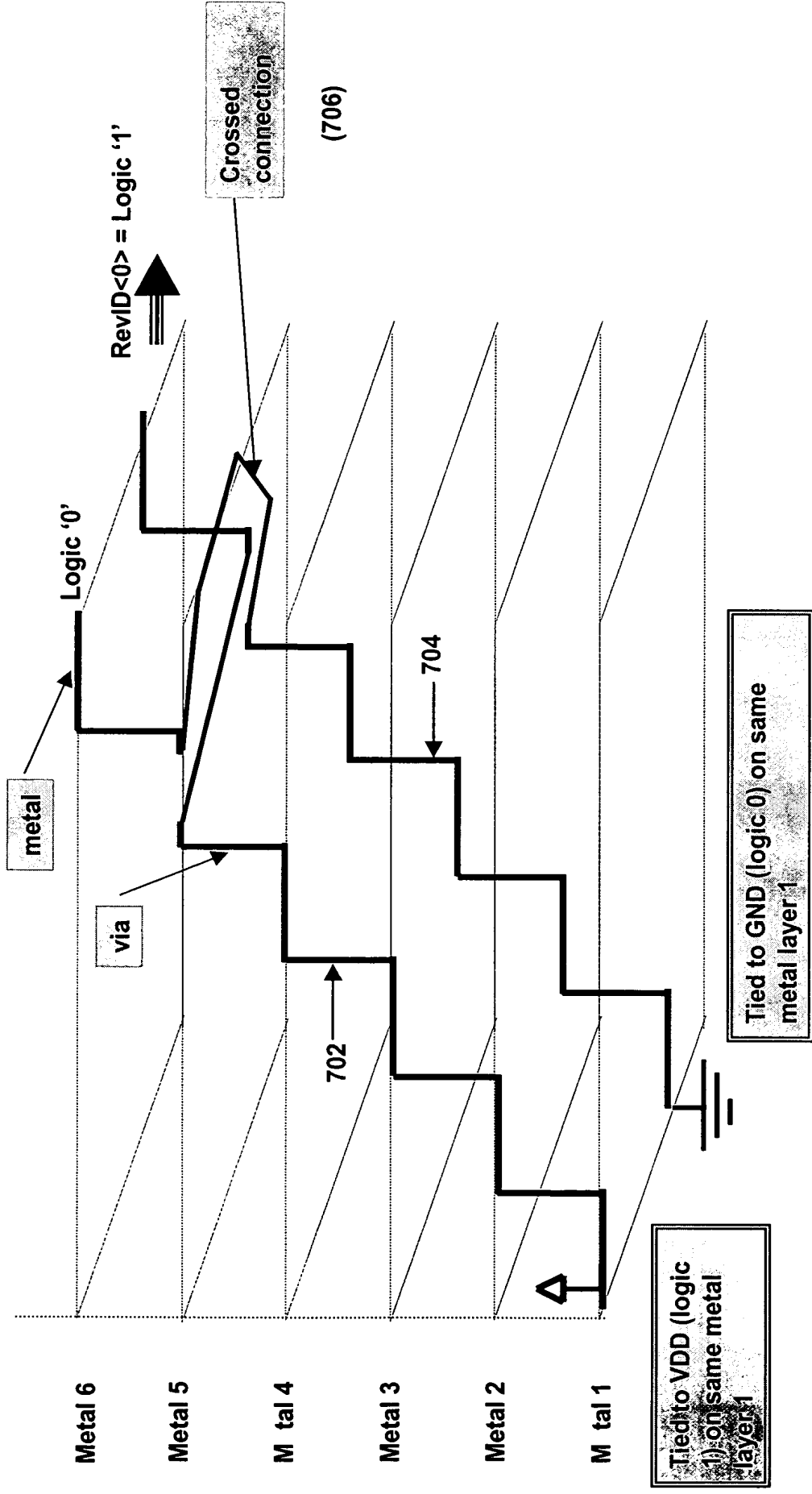


FIG. 7C

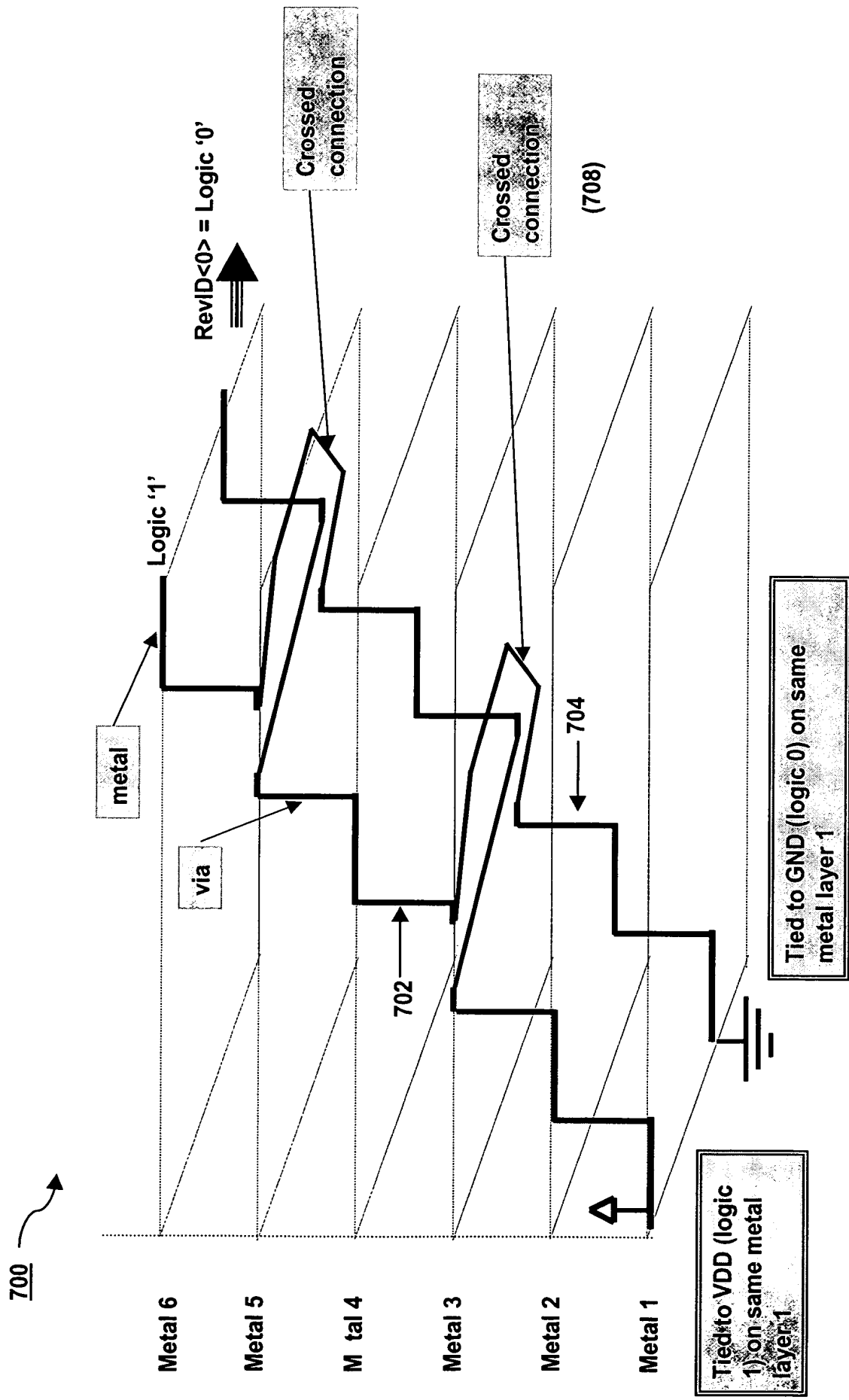


FIG. 7D

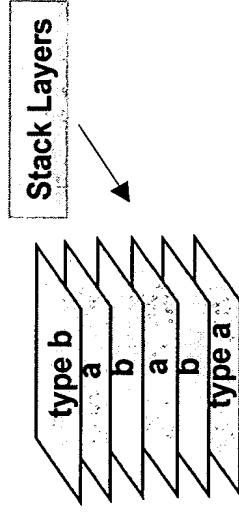


FIG. 8A

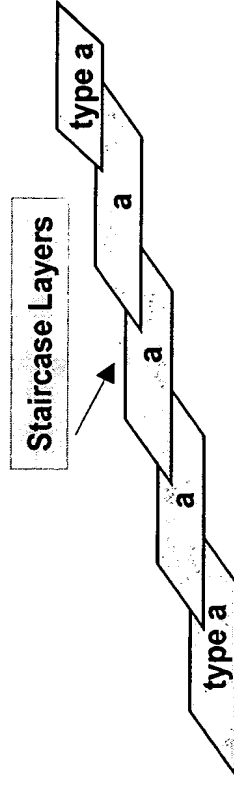


FIG. 8B

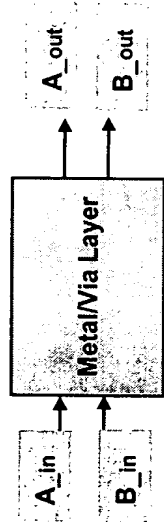


FIG. 9A

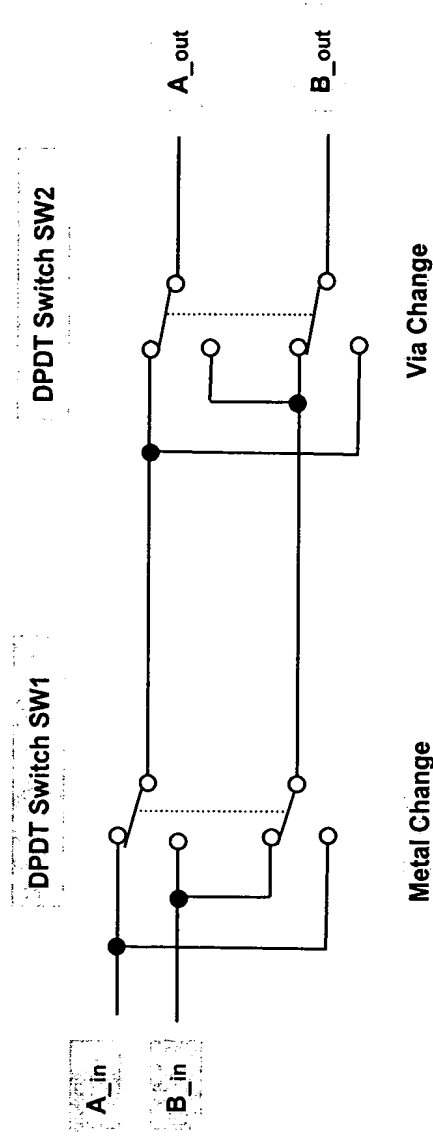


FIG. 9B

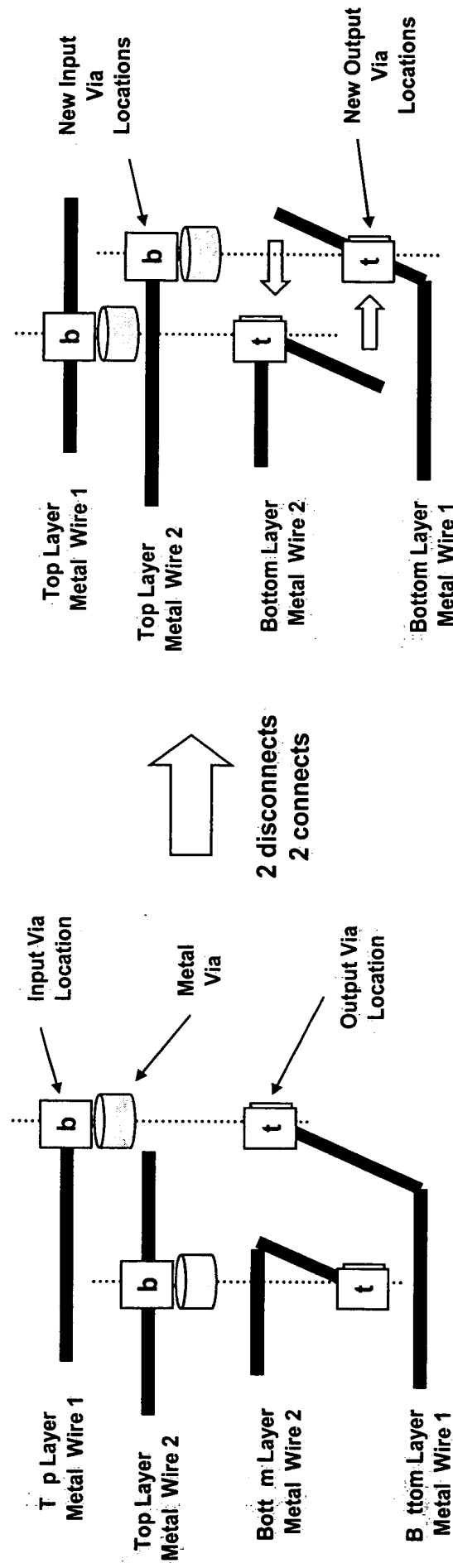


FIG. 9C

FIG. 9D

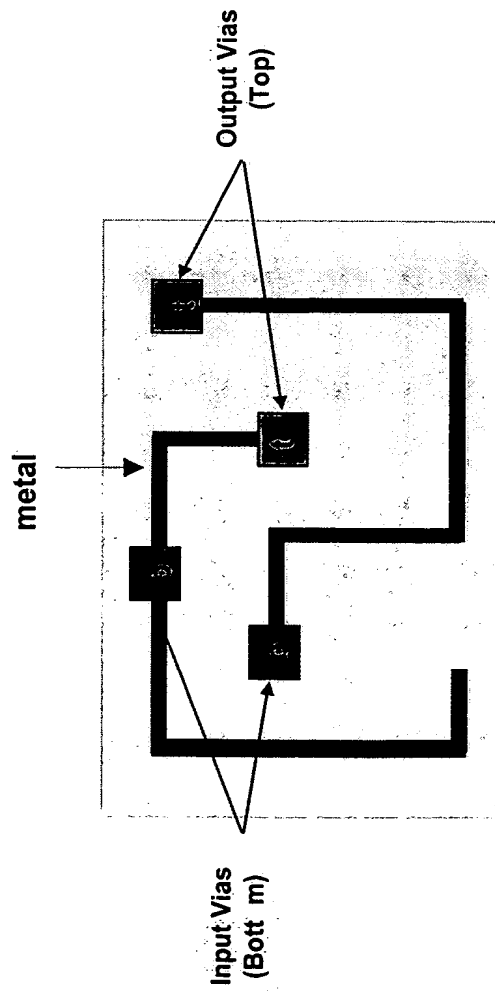


FIG. 10A

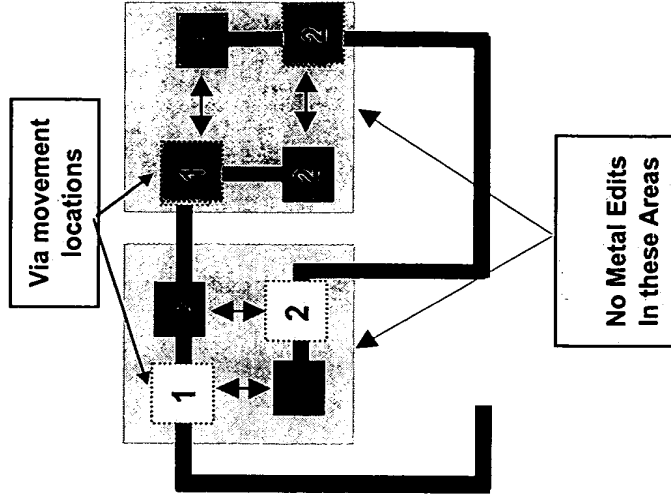
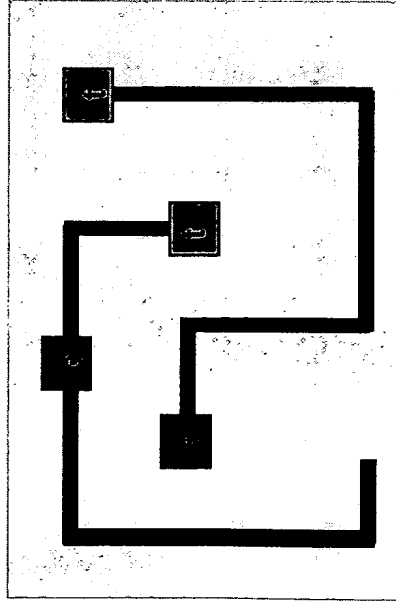


FIG. 10B

FIG. 11A



Basic Pattern



**Basic Pattern w/ Metal Change
(2 cuts, 2 jumps)**

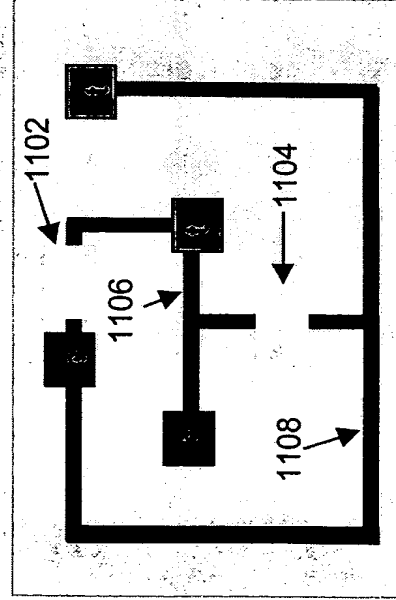
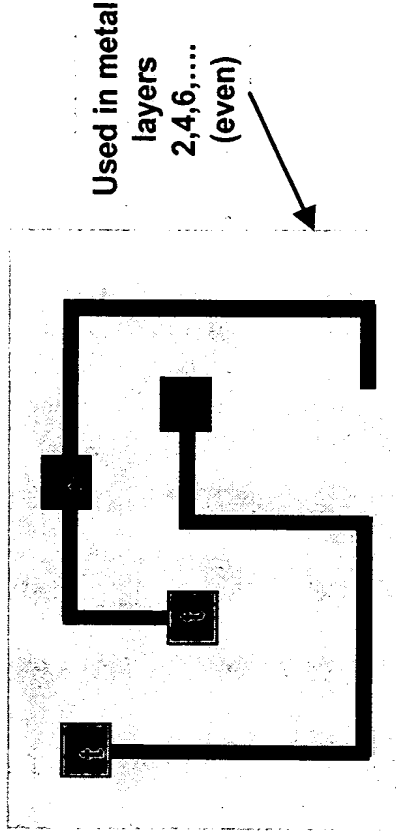


FIG. 11B

FIG. 11C



Flip Basic Pattern



**Flip Basic Pattern w/ Metal Change
(2 cuts, 2 jumps)**

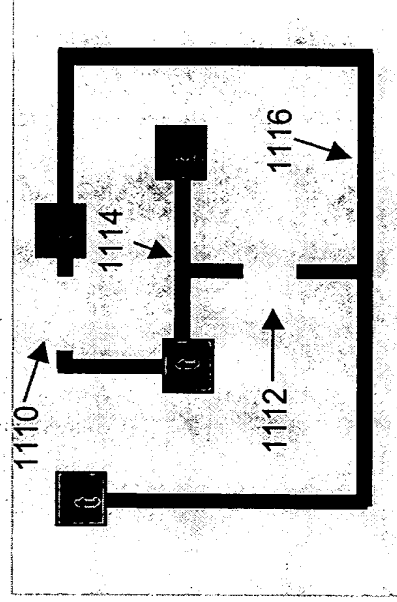
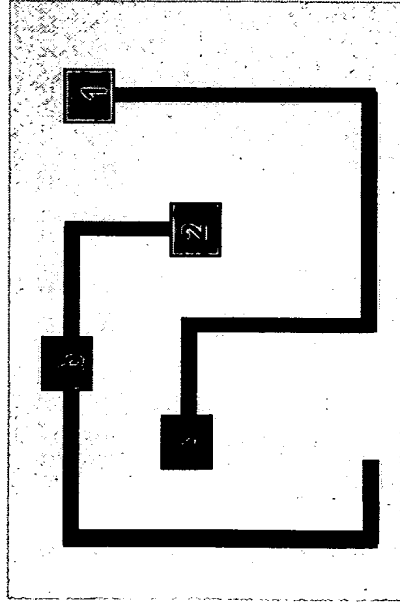


FIG. 11D

FIG. 12A



Basic Pattern



**Basic Pattern w/ Via Change
(2 disconnects, 2 connects)**

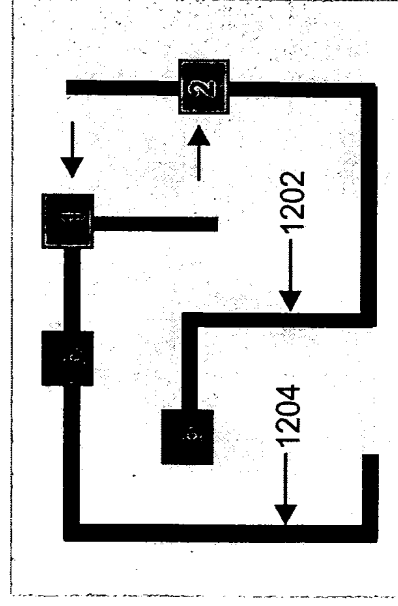
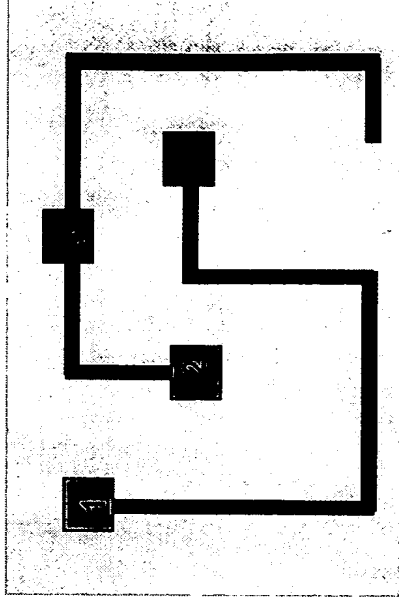


FIG. 12B

FIG. 12C



Flip Basic Pattern



**Flip Basic Pattern w/ Via Change
(2 disconnects, 2 connects)**

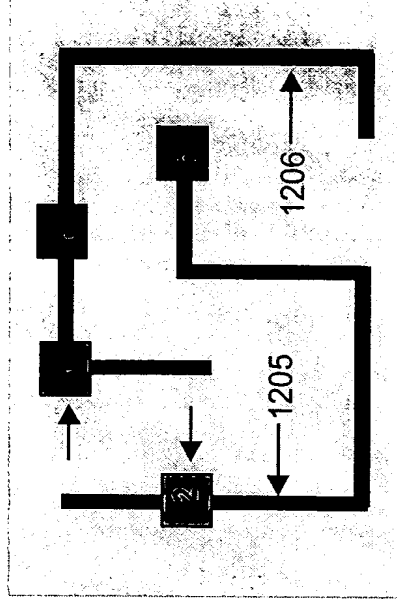


FIG. 12D

Basic Pattern

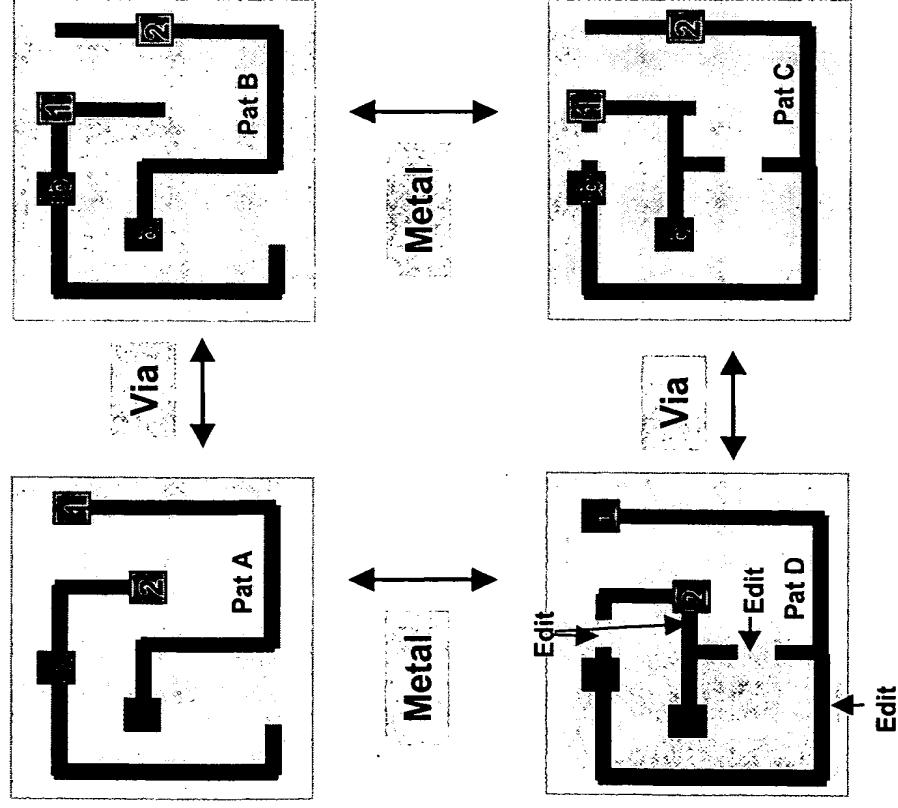


FIG. 13

Flip Basic Pattern

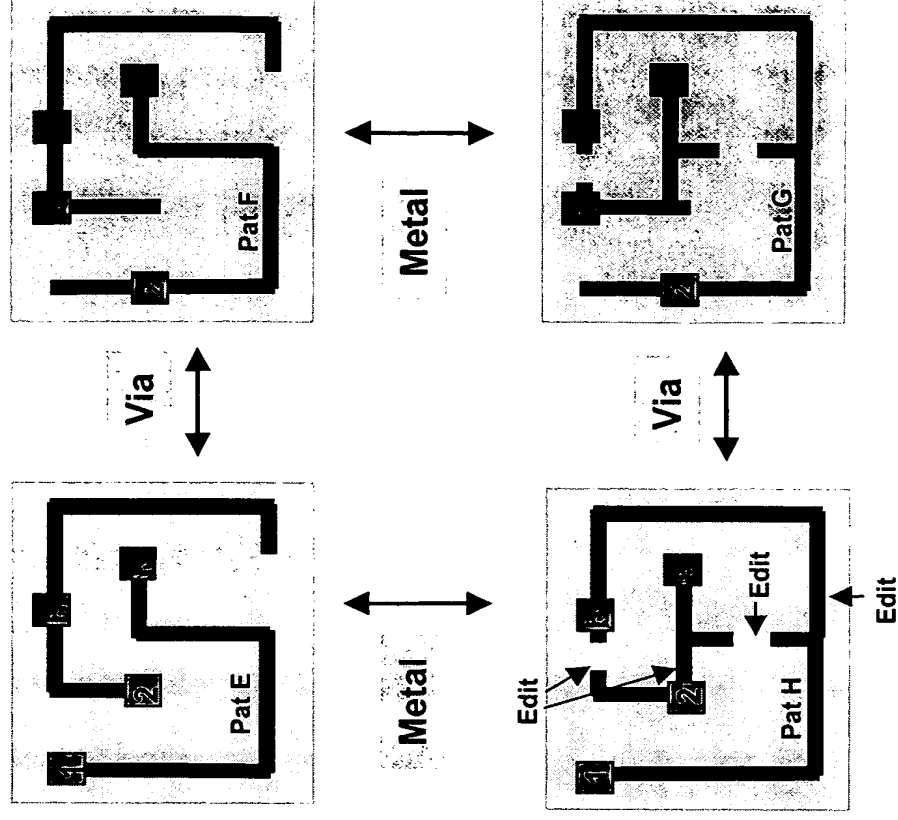


FIG. 14

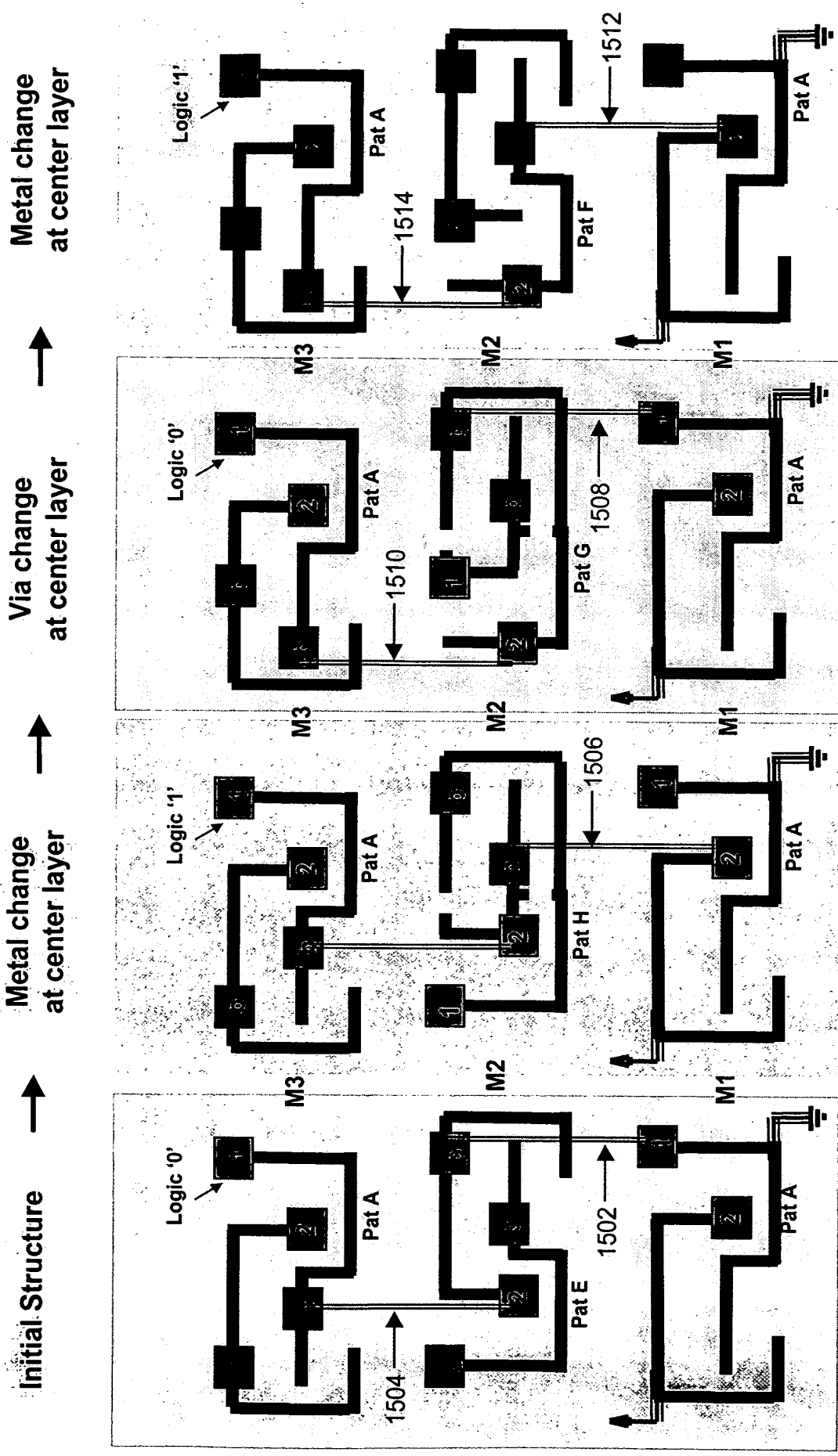


FIG. 15A

FIG. 15B

FIG. 15C

FIG. 15D

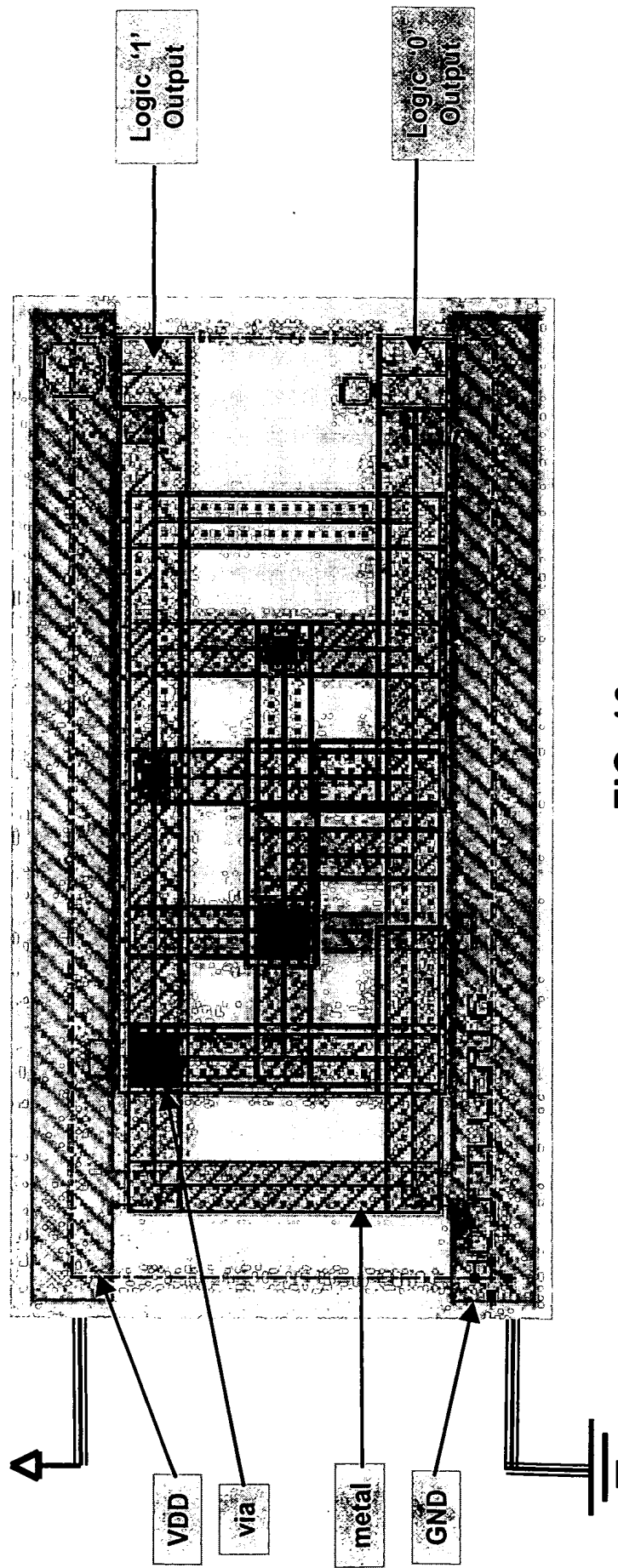


FIG. 16

FIG. 17A

Metal 1, Via1

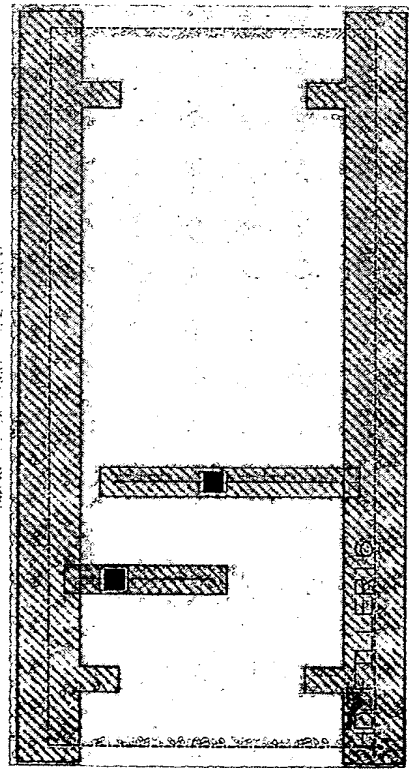
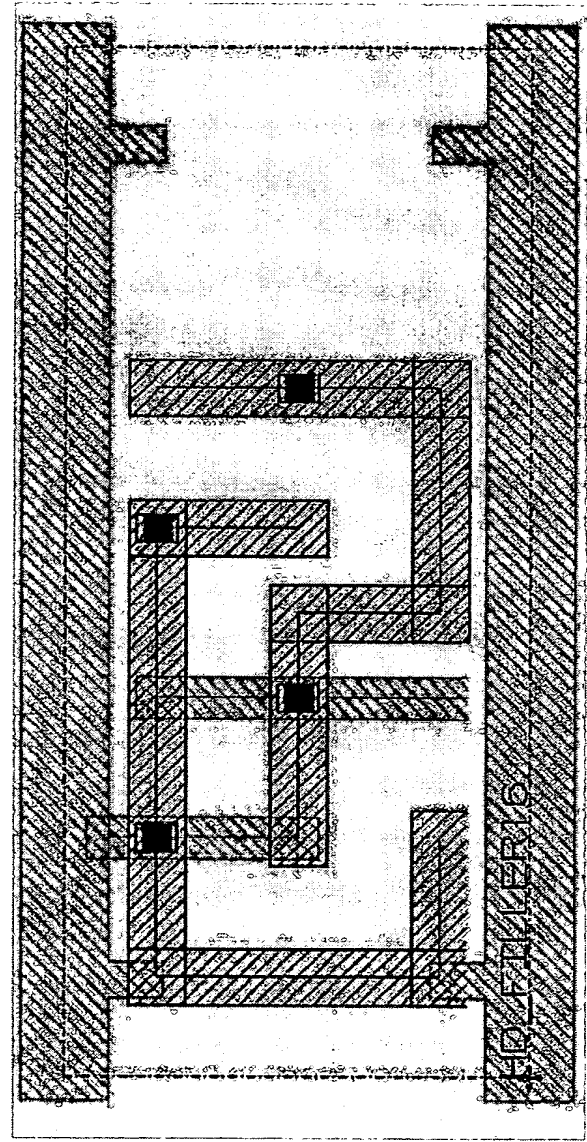
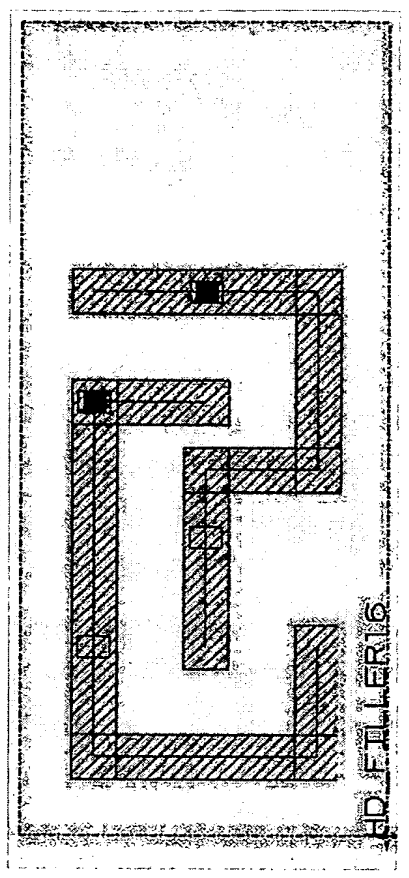


FIG. 17B

Metal 2



Metal 1, Via1,
Metal 2

FIG. 17C

FIG. 18A

Metal 2, Via2

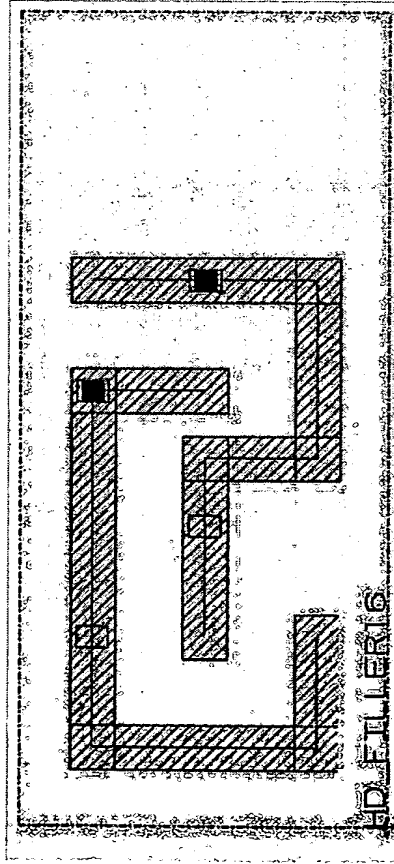
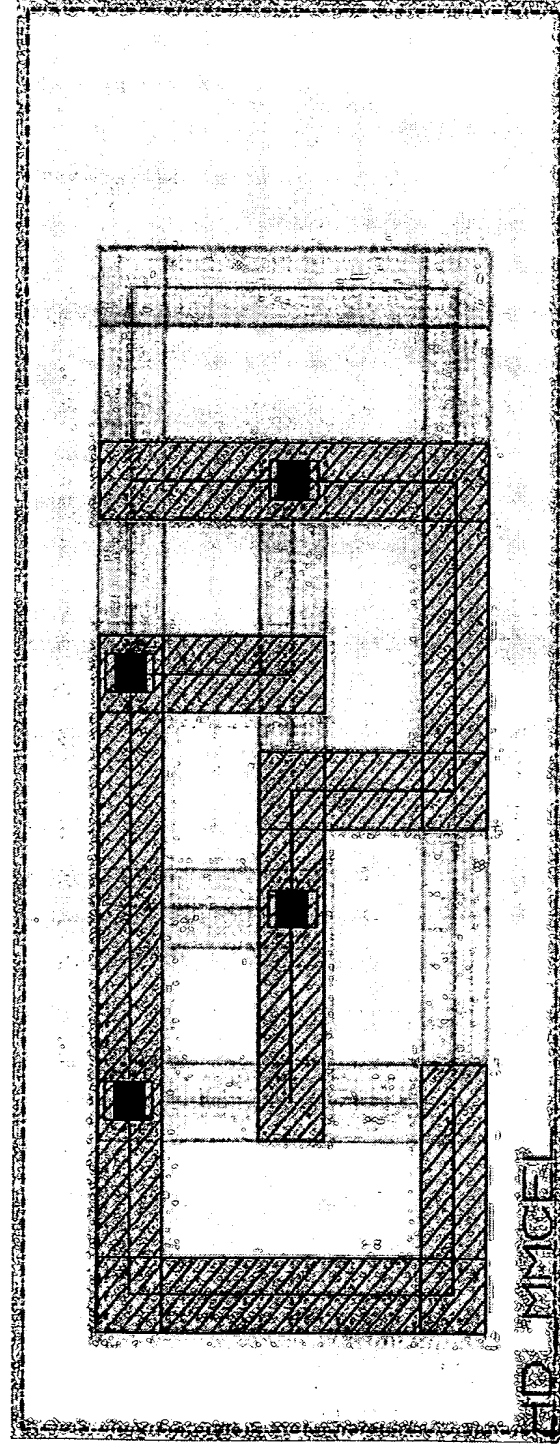
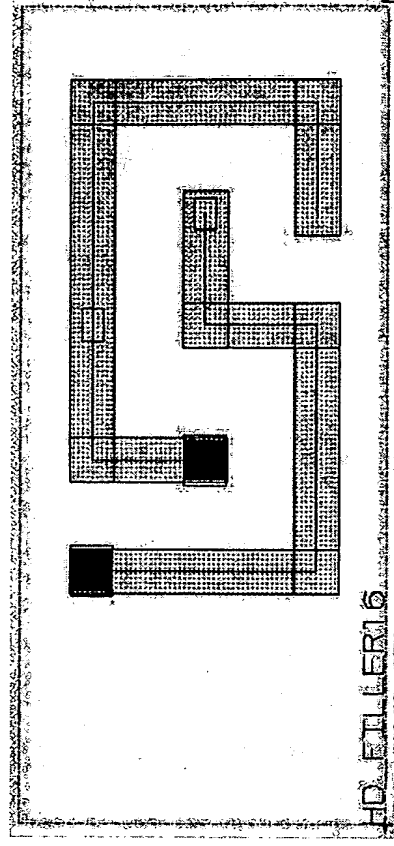


FIG. 18B

Metal 3



Metal 2, Via2,
Metal 3

FIG. 18C

FIG. 19A

Metal 3, Via3

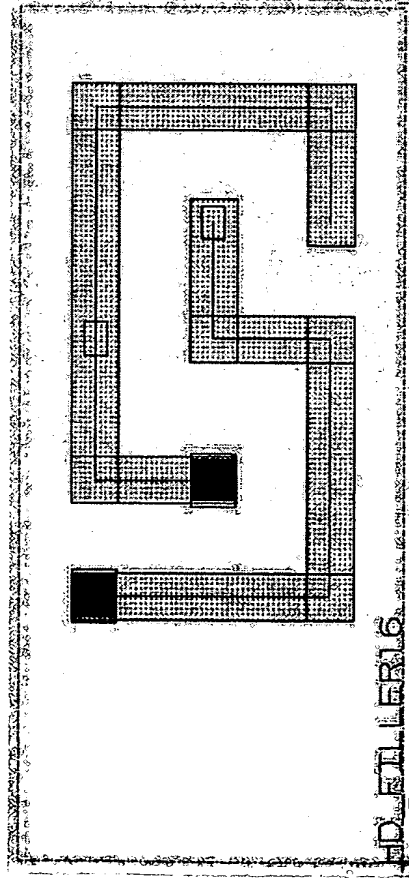
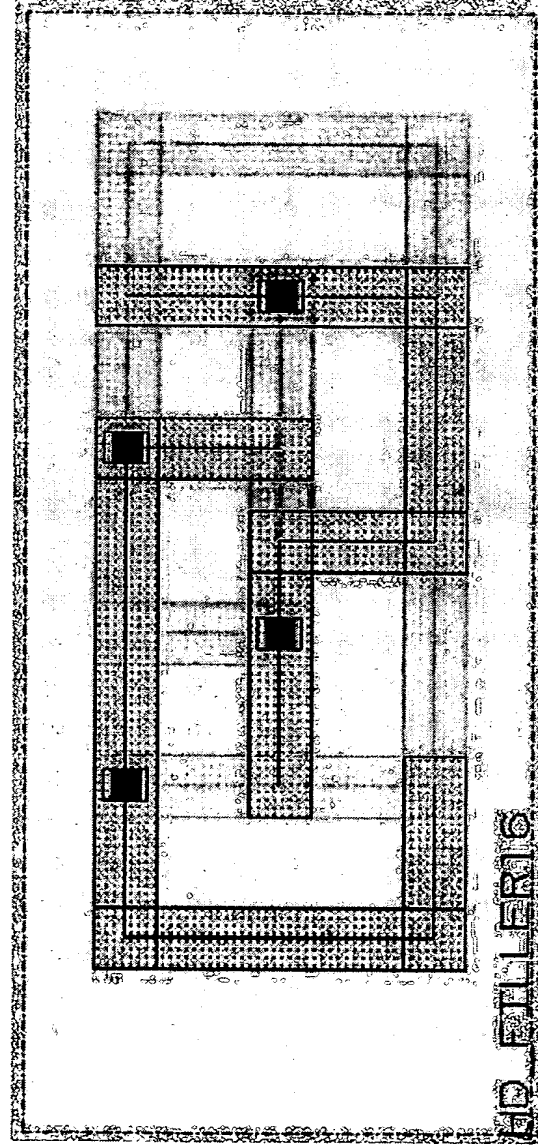
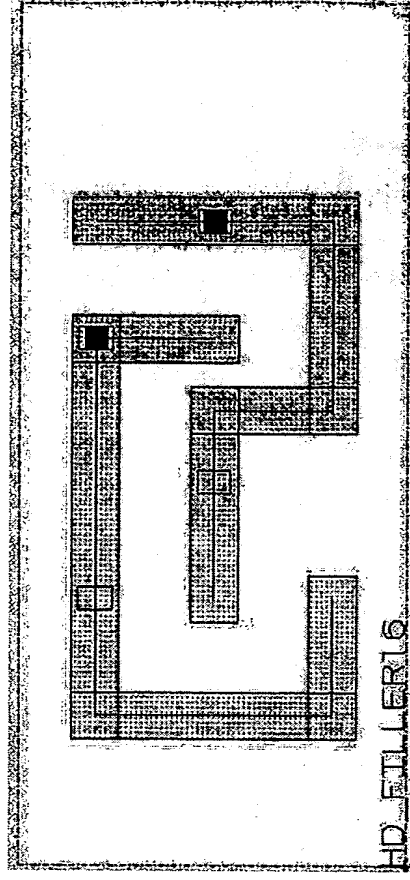


FIG. 19B

Metal 4



Metal 3, Via3,
Metal 4

FIG. 19C

FIG. 20A

Metal 4, Via4

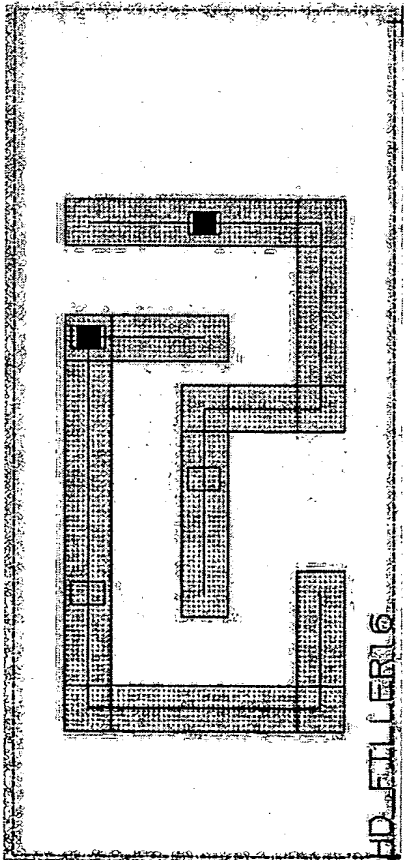
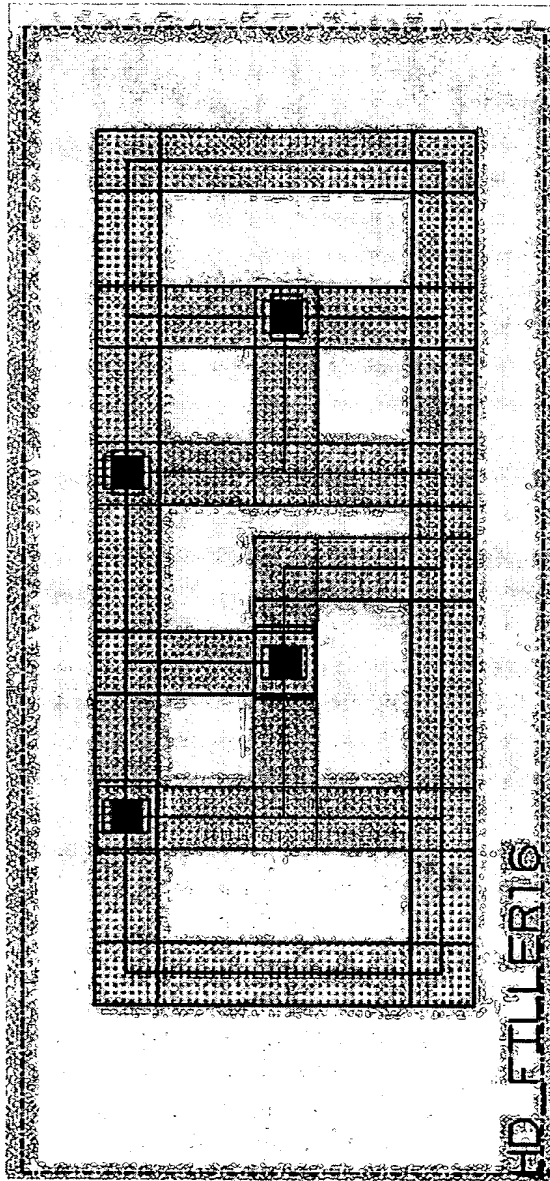
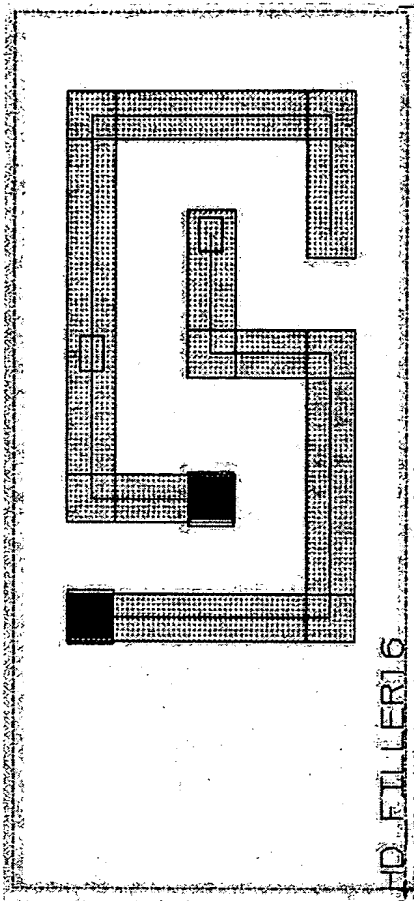


FIG. 20B

Metal 5



Metal 4, Via4,
Metal 5

FIG. 20C

FIG. 21A

Metal 5, Via5

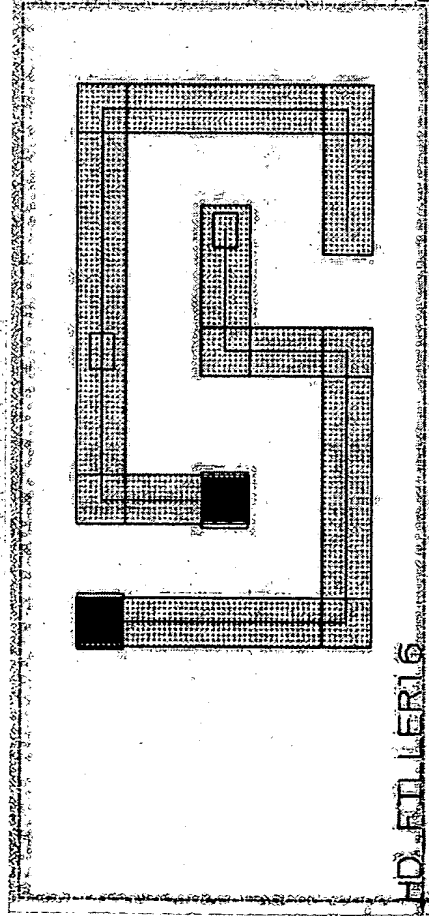


FIG. 21B

Metal 6

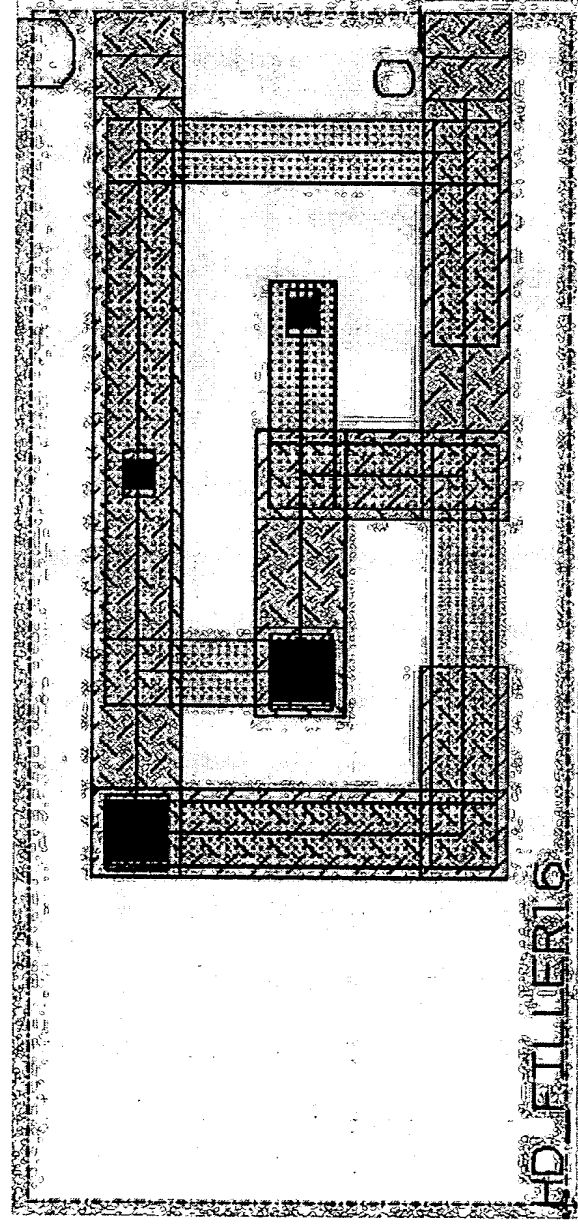
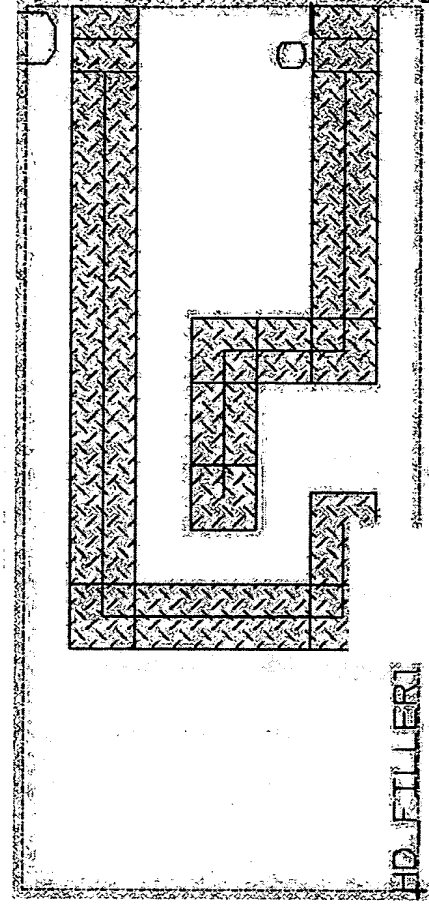


FIG. 21C

**Metal 5, Via5,
Metal 6**

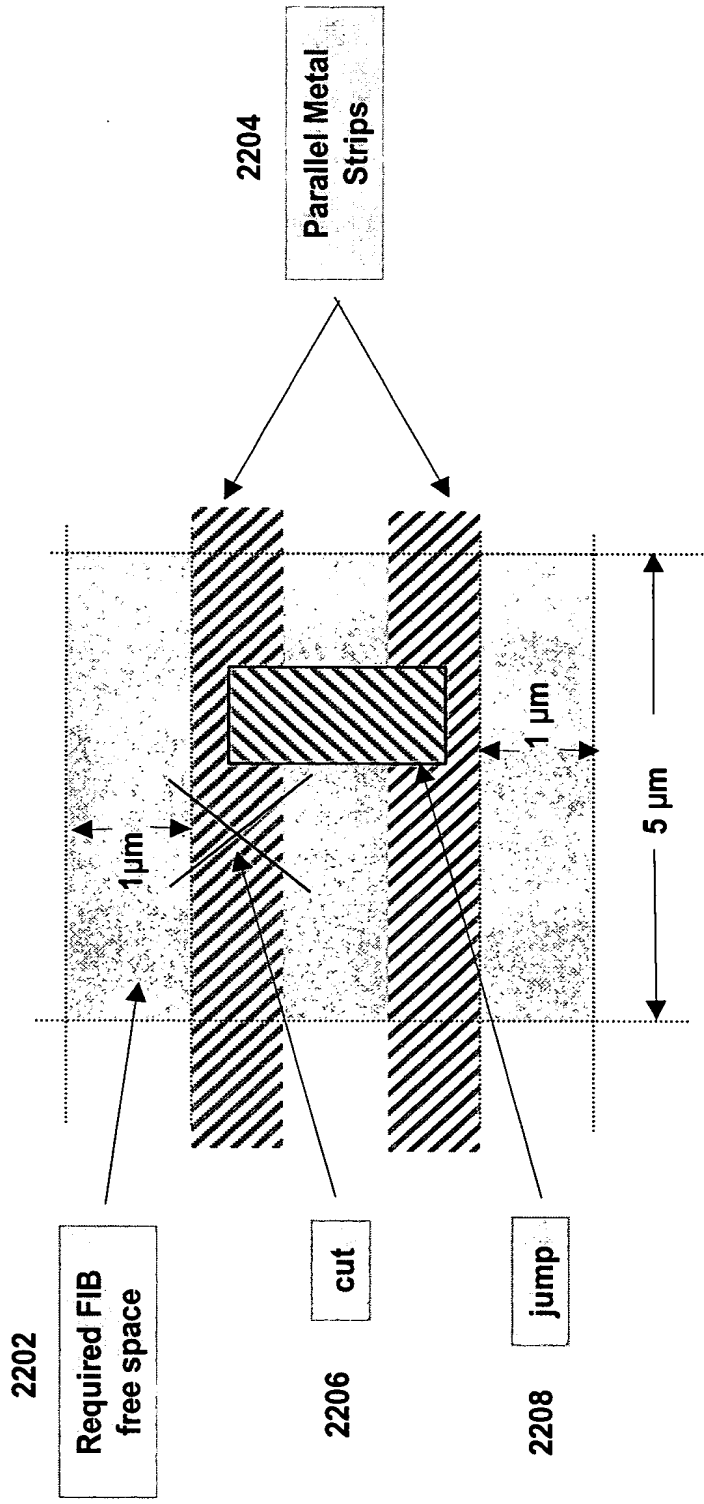


FIG. 22